



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes No

PH

WIN Station Name: Lower Dianne Lake Middle

Date: 02/06/2019
(mm/dd/yyyy)

WIN/ Field ID: G1WA0040

WBID: 546A

Latitude: 30.59355

(Decimal Degrees)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23534

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ- 2019-02-04-38

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Jason Storrs						X	X	X	X
Avril Wood-McGrath					X		X	X	

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Sonar #1</u>		
Equipment ID <u>Probe #2</u> <u>Probe 2.8.19</u>		

Collection Method		
☐ Wading	☒ Canoe/Kayak	
☐ From Shore	☒ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA
Meter ID# 501099 #2 Matrix: Fresh / Marine / DI
Tide: Rising/ Falling/ Slack/ NA Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	11:05		0.3		9.70	99.2	6.73	0.03	70	16.40
CEN	11:03	3.5	2.98	2.1	9.09	86.0	5.98	0.03	70	12.72

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>SA8101020</u>	<u>4/11/19</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice	<u>10827054</u>		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: Sunny, 70°

Signature: [Signature] Date: 2/6/19

Lower Dianne Lake Middle WIN ID/Field ID
G1WA0040

LIMS EVENT ID: WAS-SECT-2019-02-06-01 WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: 2/9/19 QC Station ID, Field Parameters in LIMS DMT: 2/8/19

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name

Meter ID: Biology#2

RQ: 2019-02-24-38

Project: SMD

pH

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Jason Storrs	2/6/19	8:30	19.56	9.165	9.17	100	99.2	—	P/F	C/F
ICV				19.55	9.165	9.17	99.9	100.2	—	P/F	C/F
CCV	Jason Storrs	2/6/19	3:20	20.41	9.021	8.92	99.2	99.2	—	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Jason Storrs	2/6/19	8:20	1805F81	5/2020	100	100	P/F	L/F
ICV				180221A	3/2019	500	476	P/F	C/F
CCV	Jason Storrs	2/6/19	3:20	1805F81	5/2020	100	104	P/F	C/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ann Wood-McGrath	2/6/19	7:45	180403C	10/2019	7.0	7.0	-72.4	P/F	C/F
Calibr.				180621D	7/2019	4.0	4.0	—	P/F	C/F
Calibr.				180621F	1/2020	10.0	10.0	-182.0	P/F	C/F
ICV				180621F	1/2020	10.0	9.98	-182.0	P/F	C/F
CCV	Jason Storrs	2/6/19	3:20	180621D	7/2019	4.0	3.72		P/F	C/F
CCV				180403C	10/2019	7.0	6.77	Alum 2.6.11	P/F	C/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Jason Storrs	2/6/19	8:15	0.00	0.000	P/F	C/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: had difficulty w/ calibrating against 1000 μ S standard & verifying against 100 μ S standard. used 500 standard instead. See attached sheet. Verified pH meter against 4.0 standard result 7.76

Form effective October 1, 2017

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Jason Stans / Arni Wood - MScrafn

FDEP

Arni Wood - MScrafn

Location		Pine Hill		WIN ID/Field ID		☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Field ID		Lake Middle		GWAA0054		☐ Temp ☒ Salinity		Temp	16.16	6.70	104.8	0.3	52	A
WIN/STORET #						☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Latitude		30.58434551		-84.21956437		☐ Temp ☒ Salinity		Temp	16.78	6.97	113.1	0.3	74	A
Location		Upper Dianne		WIN ID/Field ID		☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Field ID		Lake Middle		GWAA0041		☐ Temp ☒ Salinity		Temp	16.40	6.73	99.2	0.3	70	A
WIN/STORET #						☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Latitude		30.60031989		-84.23713627		☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A
Location		Lower Dianne		WIN ID/Field ID		☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Field ID		Lake Middle		GWAA0040		☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A
WIN/STORET #						☐ Comp ☒ Grab		Collection (comp begin or grab)	Date	Time	☐ Eastern ☒ Central	Composite end	Time	Bottle Groups(s)
Latitude		30.59355		-84.23534		☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A
Location		Lake Tom John Middle		WIN ID/Field ID		☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A
Field ID		Lake Tom John Middle		GWAA0043		☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A
WIN/STORET #						☐ Temp ☒ Salinity		Temp	16.14	7.85	112.8	0.3	63	A

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

2/6/19 14:56

HDP

2

2/6/19 14:56

FW1 Wood-Mat
FDEP

Date/Time	2/6/15	1450
-----------	--------	------

Group: A Bottle Type: P-1L # of Bottles: 5 Preservative: ICE

Enter Number of Bottles Sent to Lab _____

ALKALINITY

TURBIDITY

W-CL-1C

W-COLOR

W-F

W-504-1C

W-1 DS

WV-155

Group: A	Bottle Type: BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab
				5

CHLSUITE-W

BP-1L

of Bottles: 5

Preservative:

ICE

Enter Number of Bottles Sent to Lab

5

Group: A Bottle Type: P-500ML # of Bottles: 5 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab

Bottle Type:

P-500ML

of Bottles: 5

Preservative: ICE And H2SO4

Enter Number of Bottles Sent to Lab

5

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Group: A
Bottle Type: P-125ML
of Bottles: 5
Preservative: FILTER-ICE
Enter Number of Bottles Sent to Lab 5

Bottle Type:

P-125ML

of Bottles: 5

Preservative: FILTER-ICE

Enter Number of Bottles Sent to Lab

6

W-P04-F

Field Filtered w/ 0.45 μ m filter Lot# 10827054

Date of Request: 15-JAN-2019
 Created By: MUSSON_C On: 15-JAN-2019
 Modified By: JASROTIA_P On: 16-JAN-2019
 Customer: WAS-SECT
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Tallahassee Lakes

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 16-JAN-2019

Biology Request Reviewed By: JASROTIA_P On: 16-JAN-2019

Sampling Kit Required: YES Ship on: 31-JAN-2019

Sampling Kit Shipped: YES On: 30-JAN-2019

Sampling Kit Packed By: BOWDEN_M

Preservatives Needed: NO

Date to Receive Samples: 04-FEB-2019

Received By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Nutrients x5
 WBIDs: 546A, 546B, 564A, 564B, 647A

Packing Notes:
 No FedEx Labels
 No Trash Bags

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Chloride		
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Fluoride		
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
Sulfate		
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
TSS		
Bottle Type: BP-1L	Number of Bottles: 5	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		

Cooler Packing Worksheet for Request: RQ-2019-02-04-38

Tallahassee Lakes

Ship Cooler On: 1/31/2019

Customer/Project: WAS-SECT/SMP

Assigned To: BOWDEN_M

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Nutrients x5

WBIDs: 546A, 546B, 564A, 564B, 647A

Packing Notes:

No FedEx Labels

No Trash Bags

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5

Preservation: ICE

Lot #

00073319

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5

Preservation: ICE

Lot #

1241507

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 00072433

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Description

Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 5 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: HO3

Number of Coolers: 2

Date: 1/30/19

Kit must also include:

☒ Field Sheets
☒ Temperature Control Bottle
☒ FedEx Bills, if applicable
☒ Plastic Bags/Zip Ties
☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-02-04-38